

In the specification:

Please amend paragraphs 9 and 10 as follows:

[0009] The first objective of this procedure consists in taking advantage of the capacity that some microorganisms in the radioactive waters of the pools have in order to colonize the material placed inside the bioreactor. These microorganisms that cannot be cultured or manipulated in a laboratory are known in the technical bibliography as VBNC (viable but not culturable).

[0010] In order to accelerate the concentration of radionuclides, the other objective of this procedure consists in previously culturing the ball, or a similar device, in the presence of a microorganism or a mixture of these. The microorganisms would have to have been previously isolated from the radioactive water to be treated.